AvMap

SATELLITE NAVIGATION

AERONAUTICAL PRODUCTS CATALOG

GeoPilot II

PORTABLE AERONAUTICAL AND CAR NAVIGATOR

WIDE SCREEN

COMPLETE INFO

HIGH PERFORMANCE

- Ultra-bright colour 5” LCD, sunlight viewable.
- Built-in Sirf Star III GPS receiver and new 300 Mhz processor.
- Enhanced situational awareness with TAWS, Crossed Airspace Advisor and Predictor.
- Night Palette: a safer vision for night flying.
- Photo Database Creator: load your pictures on the navigator and assign them to an airport with the new tool available at www.avmap.it
- Exchange Waypoints, FlightPlans and Tracks data between the navigator and Google Earth™
- Car Navigator Ready with optional Tele Atlas terrestrial Maps.

High Performance at an Affordable Price

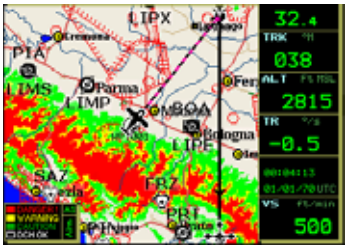
The GeoPilot II, the new portable navigator developed by AvMap based on the success of the GeoPilot, is high performance and truly affordable. More High Quality hardware and Software features have been added: GeoPilot II is faster than ever thanks to the new 300 MHz processor and is more compact and practical with the built-in GPS receiver and richer in information.

Large display, Safe Navigation

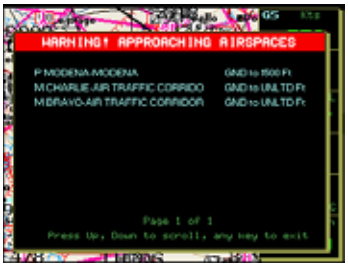
AvMap GeoPilot II displays all the information you need on a wide 5" color LCD. The display is sunlight-readable and equipped with a sensor for automatic brightness control. The information is sharp and bright and the map page is fully customizable. The large control buttons and unique toggle cursor control make navigating through menus and editing flight plans easy.

Most Accurate Information

The map preloaded on the SD memory card includes the Jeppesen® navigation database with terrain and vertical obstructions. The Map also includes Victor Airways, marine objects, ULM Aerodromes and private airports. This enhanced database provides more navigation and emergency "nearest" options.



TAWS representation


WARNING! APPROACHING AIRSPACES
P MODENA MODENA
M CHARLIE AIR TRAFFIC CORRIDO
M BRAVO AIR TRAFFIC CORRIDOR
Page 1 of 1
Press Up, Down to scroll, any key to exit

Crossed Airspace Advisor

HSI Full Screen

Enhanced Situational Awareness

Situational awareness is greatly improved with TAWS (Terrain Awareness Warning System). With the new Crossed Airspace Predictor function, you can get a preview of the airspaces that you will cross along your flight, while the Crossed Airspace Advisor provides warnings during the flight on airspaces being crossed.

Multifunctional: Navigate by Sky and Land!

AvMap GeoPilot II is engineered for aeronautical as well as terrestrial use as it can fit perfectly in your aircraft and in your car. With the optional 2GB SD Card preloaded with Tele Atlas Maps of all North America or Europe, GeoPilot II converts into an advanced car navigator with turn-by-turn vocal instructions!

NEW! Exchange GPS data between the navigator and Google Earth™

With the new AvMap GPX Converter you can interface the GeoPilot II PLUS with Google Earth™ to display and share your Waypoints, routs and Tracks! You can also transfer waypoints created on Google Earth to your AvMap.

HARDWARE

- Dimensions (mm): Ultra-sleek 100 x 139.7 x 35.4
- Weight: Under 14 oz (390 g)
- Display: Color 5" LCD TFT ultra bright, sun viewable, with automatic brightness control
- Resolution: 320 x 240 pixels
- GPS: Built-in 20 channels Sirf Star III GPS receiver
- Processor: Arm9 300Mhz
- RAM: 32 MB
- Memory support: 512 MB Secure Digital preloaded with software and maps
- Keyboard: Back-lit
- Built-in Speaker
- Power supply: 10-35 V (cigarette plug power cable)
- Serial port: for optional external GPS antenna
- PC Interface: Serial
- Audio output

SOFTWARE

- Operating System: AvMap
- Software update: free on www.avmap.it
- Full flight planning capability (15 flight plans up to 100 legs each)
- Full or split HSI screen with customizable data fields
- Vertical navigation capability
- TAWS – Terrain Awareness Warning System. The TAWS color coding depicts the separation between the terrain and the aircraft altitude
- Crossed Airspace Predictor and Advisor
- Customizable aircraft checklists
- Full NavData page
- Calculator functions: fuel, winds, timers, trip computer
- Full simulator functions
- Night Palette: a safer vision for night flying
- Turn-by-turn voice instructions (for car navigation only)

GeoPilot II is made in Italy by AvMap

GeoPilot II

PORTABLE AERONAUTICAL AND CAR NAVIGATOR

WIDE SCREEN

COMPLETE INFO

HIGH PERFORMANCE

Navigate by Sky
and by Land

Ultra-bright colour 5” LCD, sunlight viewable. Equipped with Audio-Video input.

Compact and practical: Built-in rechargeable battery and Built-in Sirf Star III GPS receiver.

Enhanced situational awareness with TAWS, Crossed Airspace Advisor and Predictor.

Includes the Tele Atlas Maps of Europe/North America to convert into a complete car navigator, TMC ready.

Compatible with ZAON PCAS XRX

Photo Database Creator: load your pictures on the navigator and assign them to an airport with the new tool available at www.avmap.it

Exchange Waypoints, FlightPlans and Tracks data between the navigator and Google Earth™

High Performance at an Affordable Price

The Geopilot II PLUS, the new portable aeronautical navigator developed by AvMap, is high performance and truly affordable. GeoPilot II PLUS is faster than ever thanks to the new 300 MHz processor, more compact and practical with the built-in battery and GPS receiver, and an extra serial port available for connection with PC and autopilot devices.

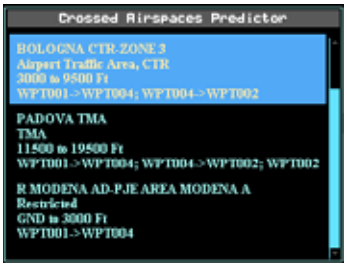
Large Display, Safe Navigation

AvMap GeoPilot II PLUS displays all the information you need on a wide 5" color LCD. The display is sunlight-readable and equipped with a sensor for automatic brightness control and an audio video input. The information are clearly visible and the map page is fully customizable.

Enhanced Situational Awareness

With the TAWS GeoPilot II PLUS displays your position in relation to surrounding terrain. With the new Crossed Airspace Predictor function, you can get a preview of the airspaces that you will cross along your flight, while the Crossed Airspace Advisor provides warnings during the flight on airspaces being crossed.

Low Airways



Crossed Airspace Predictor

Terrestrial Navigation

Most Accurate Information

The cartography preloaded on the SD memory card includes the Jeppesen® navigation database with terrain and vertical obstructions. The Map also includes and Victor Airways, marine objects, ULM Aerodromes and private airports. This enhanced database provides more navigation and emergency "nearest" options.

Multifunctional:
Navigate by Sky and Land!

AvMap GeoPilot II PLUS is engineered for aeronautical as well as terrestrial use as it can fit perfectly in your aircraft and in you car. With the 2GB SD Card preloaded with Tele Atlas Maps of Europe or North America GeoPilot II PLUS converts into an advanced car navigator with turn-by-turn vocal instructions! SD included at no extra costs!

NEW! Exchange GPS data between the navigator and Google Earth™

With the new AvMap GPX Converter you can interface the GeoPilot II PLUS with Google Earth™ to display and share your Waypoints, routs and Tracks! You can also transfer waypoints created on Google Earth to your AvMap.

HARDWARE

- Dimensions (mm): Ultra-sleek 100 x 139.7 x 35.4
- Weight: Under 14 oz (390 g)
- Display: Color 5" LCD TFT ultra bright, sun viewable, with automatic brightness control
- GPS: Built-in 20 channels Sirf Star III GPS receiver
- Resolution: 320 x 240 pixels
- Processor: Arm9 300Mhz
- RAM: 32 MB
- Memory support: 512 MB Secure Digital preloaded with software and maps
- Keyboard: Back-lit
- Built-in Li-Ion rechargeable battery
- Built-in Speaker
- Power supply: 10-35 V (cigarette plug power cable)
- Serial port: for optional external GPS antenna
- PC Interface: Serial
- Audio output
- Audio video input: PAL, NTSC
- Remote control for terrestrial use

SOFTWARE

- Operating System: AvMap
- Software update: free on www.avmap.it
- Full flight planning capability (15 flight plans up to 100 legs each)
- Full or split HSI screen with customizable data fields
- Vertical navigation capability
- TAWS – Terrain Awareness Warning System. The TAWS color coding depicts the separation between the terrain and the aircraft altitude
- Crossed Airspace predictor and advisor
- Customizable aircraft checklists
- Full NavData page
- Calculator functions: fuel, winds, timers, trip computer
- Full simulator functions
- Night Palette: a safer vision for night flying
- Turn-by-turn voice instructions (for car navigation only)

GeoPilot II Plus is made in Italy by AvMap

GeoPilot II +

TERRESTRIAL NAVIGATION

GeoPilot II Plus comes with an extra 2 GB SD memory card preloaded with terrestrial navigation software and Tele Atlas maps.

Take out the aeronautical SD and insert the terrestrial one to convert GeoPilot II Plus in an all-in-one Car navigator!

GeoPilot II Plus adapts perfectly to your car: a practical and smart navigator equipped with built-in battery, built-in GPS receiver and remote control. The wide and bright 5' LCD TFT display is sun light viewable.

The 2 GB SD card is preloaded with the most updated Tele Atlas Maps of 34 European countries. You can choose to view the map in 2D or 3D.
Connect GeoPilot II plus to a DVD player, a laptop or a video camera through the audio video input to make your travel more pleasant.

With the TMC function* that keeps you informed about the traffic conditions, traveling is more relaxing than ever.
*Optional external hardware needed.

- Traffic info in real time with the TMC receiver*
- Audio-Video input: images or videos on the screen of your navigator!
- Practical Remote control with full alphanumeric keyboard
- Speed cameras alarm

TERRESTRIAL SOFTWARE

- Operating System: AvMap
- Software: free update on www.avmap.it
- Graphics: 2D or 3D
- Night vision: automatic or manual setting
- Save up to 1000 personal addresses
- Large database of Points of Interest (POI): more than 2,000,000 in Europe /more than 11,000,000 in North America
- Zip codes and House number search
- Best route calculation: choose between shortest distance, fastest time, fewer turns or off road route
- Quick search for last destinations, Marks and POI saved
- Route Options: excluding of toll roads, highways, walkways, ferry routes, built up areas, unpaved roads
- Multiple destinations: up to 10 waypoints in your route
- Turn-by-turn vocal instructions
- “Drive me Home” rapid command
- TMC ready: traffic info in real time (optional external receiver needed)

TERRESTRIAL MAPS

With the Tele Atlas Maps, GeoPilot II Plus converts into a car Navigator.
Choose between:

Europe (2 GB)

The European map include 34 countries

Andorra, Austria, Belgium, Croatia, Denmark, Estonia, Finland, France, Gibraltar, Germany, Greece, Hungary, Republic of Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Norway , Netherlands, Poland, Portugal, Principality of Monaco, United Kingdom, Czech Republic, Russia, San Marino, Slovakia, Slovenia (Tele Atlas and Monolit data), Spain, Sweden, Switzerland, Turkey, Vatican City.

North America (2 GB)

USA + Canada

Tele Atlas Maps

Aeronautical Navigator

EKP IV

7” LCD Ultra bright

The Aeronautical Knee Pad since 1994

- 7” sunlight-viewable LCD, operating in horizontal or vertical mode.
- The most detailed maps: Jeppesen Data with Low Airways, marine objects, private airports.
- Exchange Waypoints, FlightPlans and Tracks data between the navigator and Google Earth™
- Photo Database Creator: load your pictures on the navigator and assign them to an airport with the new tool available at www.avmap.it
- Night Vision: the safest view for night flights
- Compatible with ZAON PCAS XRX

The AvMap EKP IV continues its evolution to offer higher performance and complete navigation info.
EKP features a wide 7” colour LCD, brilliant and sunlight-viewable, and it is equipped with internal batteries for emergency use. The unit can operate in Portrait or Landscape mode, and you can choose to view the full map or split HSI screen with data fields.

EKP IV Pro utilizes a 512 MB Compact Flash memory card (CF) preloaded with software and maps. The cartography includes the Jeppesen data (for Europe + Africa; Americas; Asia + Australia depending on the version, Low Airways (a.k.a. Victor Airways), the Avioportolano database (Italy) and private airports for North America.

Low Airways (AKA Victor Airways)

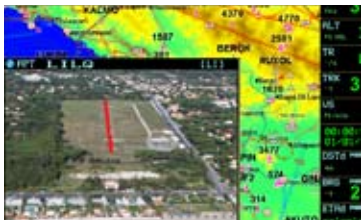


Photo Database

TAWS and HSI

The five existing types of airways have been added to the SELECTIVE DISPLAY: Airline Airway, Control Airway, Direct Route Airway, Official Designated Airway, RNAV Airway.

A color coded map shows info on the terrain altitude (land elevation), and the TAWS shows the separation existing between the terrain and the airplane.

With the Safe Route Predictor you can get a preview of the TAWS messages along your route.

With the new Crossed Airspace Predictor function, you can get a preview of the airspaces that you will cross
along your flight, while the Crossed Airspace Advisor provides warnings during the flight on airspaces being crossed.

HARDWARE

- Dimensions: :180.3 mm x 121.9 mm x 45.72 mm (7.1” x 4.8” x 1.8”)
- Weight: 800 g
- Display: Color LCD TFT 7” (16:9) 4.75” x 7” x 1.5”
- Resolution: 800 x 480 pixels
- GPS antenna: external with 5 m cable
- GPS receiver: internal with 20 channels supporting WAAS signals
- RAM: 32 MB non volatile with battery back-up
- Memory Support: 4 GB Compact Flash card preloaded with software and maps
- Power supply: external 10/35 V DC
- Batteries for emergency use (up to 1.5 hours): 6 rechargeable NiMh internal battery (not included)
- Consumption: 10 Watt
- Operating Temperature Range: 0°C to 55°C (32°F to 131°F)
- Storage Temperature: -25°C to 70°C (-13°F to 158°F)
- Serial I/O port: 4800 up to 38.400 baud rate

SOFTWARE

- Full flight planning capability up to 15 flight plans of up to 100 legs each
- Possibility to import and export flight plans, waypoints and routes directly from EKP to the PC trough a serial port thanks to the JEPPESEN FliteStar Software
- Editable aircraft Checklist
- Full simulator functions
- Integration with other on-board navigation systems: autopilot, GPS, external antenna
- TAWS: Terrain Awareness and Warning System available worldwide
- Crossed Airspace Predictor e Advisor
- Safe Route predictor e advisor
- Night Vision
- Languages: Italian, French, English, German, Spanish, Polish, Hungarian, Brazilian.

EKP IV is made in Italy by AvMap

Aeronautical Navigator

EKP IV Pro

7” LCD Ultra bright

The Aeronautical Knee Pad since 1994

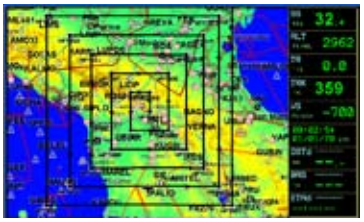
- 7” sunlight-viewable LCD, operating in horizontal or vertical mode.
- Exchange Waypoints, FlightPlans and Tracks data between the navigator and Google Earth™
- Compatible with ZAON PCAS XRX
- Photo Database Creator: load your pictures on the navigator and assign them to an airport with the new tool available at www.avmap.it
- The most detailed maps: Jeppesen Data + Tele Atlas street Data
- Preset Search and Rescue Patterns
- Connection to APRS© devices

The AvMap EKP IV PRO version offers more possibilities thanks to fully exhaustive information displayed in the wide 7” LCD and thanks to advanced navigation functions for professional uses.

EKP IV PRO utilizes a 4 GB Compact Flash memory card (CF) preloaded with software and maps. The cartography integrates the Jeppesen database with the Tele Atlas terrestrial data and makes it possible to search for a street address and navigate toward it.

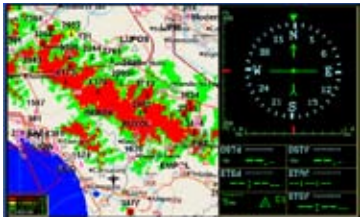
The Terrain Awareness and Warning System shows intuitively the separation existing between the terrain and the airplane. With the Safe Route Predictor you can get a preview of the TAWS messages along your route.

With the new Crossed Airspace Predictor function, you can get a preview of the airspaces that you will cross along your flight.



Search and Rescue patterns

Night Vision



TAWS and HSI

EKP IV PRO offers some extra PRO functions such as the preset Search and Rescue patterns (SAR). You may choose among three patterns. Expanding Square, Creeping Line Ahead And Circular. Once the SAR has been selected, you can see your aircraft’s track on the display and you can easily monitor your movement along the SAR pattern.

EKP IV PRO can be connected to Kenwood APRS© (Automatic Position Reporting System) devices. With these systems it is possible to send your position and to receive from the control center waypoints that are automatically displayed on the EKP IV PRO screen.

HARDWARE

- Dimensions: :180.3 mm x 121.9 mm x 45.72 mm (7.1” x 4.8” x 1.8”)
- Weight: 800 g
- Display: Color LCD TFT 7” (16:9) 4.75” x 7” x 1.5”
- Resolution: 800 x 480 pixels
- GPS antenna: external with 5 m cable
- GPS receiver: internal with 20 channels supporting WAAS signals
- RAM: 32 MB non volatile with battery back-up
- Memory Support: 4 GB Compact Flash card preloaded with software and maps
- Power supply: external 10/35 V DC
- Batteries for emergency use (up to 1.5 hours): 6 rechargeable NiMh internal battery (not included)
- Consumption: 10 Watt
- Operating Temperature Range: 0°C to 55°C (32°F to 131°F)
- Storage Temperature: -25°C to 70°C (-13°F to 158°F)
- Serial I/O port: 4800 up to 38.400 baud rate

SOFTWARE

- Full flight planning capability up to 15 flight plans of up to 100 legs each
- Possibility to import and export flight plans, waypoints and routes directly from EKP to the PC trough a serial port thanks to the JEPPESEN FliteStar Software
- Editable aircraft Checklist
- Full simulator functions
- Integration with other on-board navigation systems: autopilot, GPS, external antenna
- TAWS: Terrain Awareness and Warning System available worldwide
- Crossed Airspace Predictor e Advisor
- Safe Route predictor e advisor
- Night Vision
- Search of street address
- Preset Search and Rescue Patterns (SAR)
- Connection to APRS© devices
- Languages: Italian, French, English, German, Spanish, Polish, Hungarian, Brazilian.

EKP IV PRO is made in Italy by AvMap

CARTOGRAPHY FOR AVMAP AERONAUTICAL PRODUCTS

The new cartography for AvMap aeronautical products is more complete, rich of useful information for the flight and with some World Premiere!

The cartography includes:

A. Background and Land elevation
• World Background: terrain depiction on the basis of land altitude
• Land Elevation for TAWS

B. Terrestrial Data
• Road networks
• Marine Objects useful for night time VFR: lighthouses, light emitting fixed marks, light buoys.

C. Aeronautical Data
• Jeppesen Data with Victor Airways included!
• Other source Aeronautical data:
  - Airfields and private airports for all Europe and US,
  - Vertical obstructions for Europe and USA (official sources),
  - VFR Reporting points (Europe, AIP national sources).
28 days Jeppesen Cycles – the current Jeppesen expiry date is displayed in the About page.

D. Detailed Terrestrial Coverage – only for EKP IV PRO
• Tele Atlas Street Network and POI
• Marine depth lines

Updates:

The Jeppesen database is updated every 28 days. (the Jeppesen cycle is shown in the about page of the navigator) .

The Tele Atlas Maps are updated about every six months.

For availability and prices check: www.avmap.it

JEPPESEN OnBoard

Tele Atlas Maps

AERONAUTICAL MAPS EKP IV / GeoPilot II

WORLDWIDE

Coverage: 57°00'00", W179*59'00" / N80°00'00", W024°00'00" (preloaded on 512 MB CF/SD) Jeppesen + Road Network + Land elevation

NORTH OR SOUTH AMERICA

CoverageS80°00'00",W179°59'59" / N80°00'00",E179°59'59" (preloaded on 512 MB CF/SD) Jeppesen + Road Network + Land elevation

EUROPE + AFRICA

Coverage: S37°00'00", W027°00'00" / N80°00'00", E074°00'00" (preloaded on 512 MB CF/SD) Jeppesen + Road Network + Land elevation

ASIA + AUSTRALIA

Coverage: S48°00'00", E072°00'00" / N80°00'00", E179°59'00" (preloaded on 512 MB CF/SD) Jeppesen + Road Network + Land elevation

AERONAUTICAL MAPS EKP IV PRO

WORLDWIDE + TERRESTRIAL EUROPE

Coverage: 57°00'00", W179*59'00" / N80°00'00", W024°00'00" (preloaded on 4 GB CF) Jeppesen + Road Network + Land elevation + Tele Atlas terrestrial data for Europe

WORLDWIDE + TERRESTRIAL NORTH AMERICA

Coverage:57°00'00", W179*59'00" / N80°00'00", W024°00'00" (preloaded on 4 GB CF) Jeppesen + Road Network + Land elevation + Tele Atlas terrestrial data for North America

WORLDWIDE + TERRESTRIAL BRASIL

Coverage: 57°00'00", W179*59'00" / N80°00'00", W024°00'00" (preloaded on 4 GB CF) Jeppesen + Road Network + Land elevation + Tele Atlas terrestrial data for Brasil

WORLDWIDE + TERRESTRIAL MALAYSIA

Coverage: 57°00'00", W179*59'00" / N80°00'00", W024°00'00" (preloaded on 4 GB CF) Jeppesen + Road Network + Land elevation + Tele Atlas terrestrial data for Malaysia

NORTH AMERICA + TERRESTRIAL NORTH AMERICA

Coverage: N14°00'00",W179°59'59" / N80°00'00",E179°59'59" (preloaded on 4 GB CF) Jeppesen + Road Network + Land elevation + Tele Atlas terrestrial data for North America

SOUTH AMERICA + TERRESTRIAL BRAZIL

Coverage: S80°00'00",W179°59'59" / N33°00'00",E179°59'59" (preloaded on 4 GB CF) Jeppesen + Road Network + Land elevation + Tele Atlas terrestrial data for Brasil

EUROPE + AFRICA + TERRESTRIAL EUROPE

Coverage: S37°00'00", W027°00'00" / N80°00'00", E074°00'00" (preloaded on 4 GB CF) Jeppesen + Road Network + Land elevation + Tele Atlas terrestrial data for Europe

ASIA + AUSTRALIA + TERRESTRIAL MALAYSIA Coverage:

Coverage: S48°00'00", E072°00'00" / N80°00'00", E179°59'00" (preloaded on 4 GB CF) Jeppesen + Road Network + Land elevation + Tele Atlas terrestrial data forMalaysia

Image	Name	Compatibility	End User Price VAT excluded	AvMap Code
	PC interface cable	All navigators	€ 20,80	CBDJNG0400
	PCAS XRX Interface Cable	EKP IV PRO / EKP IV /GeoPilot II PLUS	€ 24,90	CBDJMG0400
	Coiled power supply cable	EKP IV PRO / EKP IV	€ 20,80	CBMAGG0200
	Power supply cable	EKP IV PRO / EKP IV	€ 17,90	CBM0FG0200
	Autopilot cable	EKP IV PRO / EKP IV GeoPilot II PLUS	€ 14,10	CB0JNG0400
	External GPS antenna	EKP IV PRO / EKP IV	€ 50.00	KAACAN00ST
	EKP strap	EKP IV PRO / EKP IV	€ 7,75	K10LCE007A
	Plastic knee pad bracket	EKP IV PRO / EKP IV	€ 14,10	HBC08AB
	Craddle Mount	EKP IV PRO / EKP IV	€ 81,70	K10LCE18C
	AC DC adaptor	All navigators	€ 16,65	KAPWS12V01
	External GPS Antenna + receiver	GeoPilot II / GeoPilot II Plus	€ 82,50	UX0GP910AM
	Suction cup car mount	GeoPilot II / GeoPilot II Plus	€ 24,00	HBS30AX
	External TMC receiver	GeoPilot II Plus	€ 82,50	KAMNA4000C

Comparative Table	GeoPilot II	GeoPilot II +	EKP IV	EKP IV Pro
HARDWARE				
7”LCD			•	•
5” LCD	•	•		
Built-in GPS receiver	•	•		
Memory: 32 MB Non volatile with back-up battery				
Built-in battery		•	•	•
Audio-Video input		•		
Port for external TMC antenna / APRS© / autopilot		•	•	•
Remote control		•		
SOFTWARE				
Customizable Checklist			•	•
Crossed airspace predictor / advisor	•	•	•	•
Safe route predictor / advisor	•	•	•	•
TAWS	•	•	•	•
TMC Ready (terrestrial use only)		•		
Search and Rescue Patterns				•
Connection to APRS© devices				•
ZAON PCAS XRX ready		•	•	•
MAPS				
Jeppesen Data: Americas/ Europe + Africa / Asia + Australia / Worldwide	•	•	•	•
Low airways (a.k.a. Victor Airways)	•	•	•	•
Private airports	•	•	•	•
VFR reporting points (Europe)	•	•	•	•
Terrestrial Maps Europe / North America Tele Atlas 2 GB SD Card	Optional	•		
Terrestrial data integrated within the Aeronautical maps				•

AVMAP
SATELLITE NAVIGATION

www.avmap.it